CITY OF GROSSE POINTE WOODS NOTICE OF REGULAR MEETING Retiree Health Care Plan and Trust Fund Thursday, August 4, 2022 Immediately following Pension Board Meeting

City Hall Conference Rom at 20025 Mack Plaza, Grosse Pointe Woods, MI

AGENDA

- 1. Call to order
- 2. Roll call
- 3. Acceptance of the meeting agenda
- 4. Meeting minutes dated May 5, 2022
- 5. Trial Balance through June 30, 2022
- 6. 2023 Proposed Meeting Date Schedule
- 2nd Quarter Fund Evaluation Group Report

 June 30, 2022 Performance Review
- 8. Payment of Invoices a. FEG Invoice \$554.00
- 9. New Business/Public Comment.
- 10. Adjournment

Submitted by:

, Pension Administrator

Next Regular Board Meeting –November 3, 2022 Immediately following Pension Board Meeting

In accordance with Public Act 267 of 1976 (Open Meetings Act), all members of the above Commission/Committee, as well as the general public, are invited to attend this meeting.

Necessary, reasonable auxiliary aids and services to aid individuals with disabilities will be provided. All such requests must be made at least five (5) days prior to a meeting. Individuals with disabilities requiring auxiliary aids or services should contact the City of Grosse Pointe Woods by writing or call the Pension Administrator at (313) 343-2604 or Telecommunications Device for the Deaf (TDD) (313) 343-9249.

RETIREE HEALTH CARE BENEFIT PLAN & TRUST 5/5/2022

MINUTES OF THE REGULAR MEETING OF THE BOARD OF TRUSTEES FOR THE RETIREE HEALTH CARE BENEFIT PLAN & TRUST (i.e. The Board) OF THE CITY OF GROSSE POINTE WOODS, HELD ON THURSDAY May 5, 2022 IN THE CONFERENCE ROOM OF THE MUNICIPAL BUILDING, 20025 MACK PLAZA, GROSSE POINTE WOODS, MICHIGAN

The meeting was called to order at 6:40 p.m. by Chairperson Mayor Arthur Bryant

The following members were present:

Chairperson Mayor Arthur Bryant Council Representative Victoria Granger General Employee Representative Matt Crook Citizen Representative Gary Zarb

Also present:

Pension Administrator, Shawn Murphy City Attorney, Debra Walling Pension Attorney, Michael VanOverbeke Fund Evaluation Group (FEG), Jeffrey Davis Recording Secretary, Tina Hoenicke

Motion by Granger, supported by Zarb to excuse Public Safety Representative Brian Conigliaro from today's meeting.

Motion CARRIED by the following vote:YES:Bryant, Granger, Crook, ZarbNO:NoneABSENT:Conigliaro

Motion by Granger, supported by Crook, that all items on today's agenda be received and placed on file.

Motion CARRIED by the following vote:YES:Bryant, Granger, Crook, ZarbNO:NoneABSENT:Conigliaro

Motion by Granger, supported by Crook to accept and place on file the minutes of the Retiree Health Care Benefit Plan and Trust meeting dated February 10, 2022.

RETIREE HEALTH CARE BENEFIT PLAN & TRUST 5/5/2022 PAGE 2

Motion CARRIED by the following vote:YES:Bryant, Granger, Crook, ZarbNO:NoneABSENT:Conigliaro

Motion by Granger, supported by Crook to receive and place on file the trial balance as presented through March 31, 2022.

Motion CARRIED by the following vote:YES:Bryant, Granger, Crook, ZarbNO:NoneABSENT:Conigliaro

Jeffrey Davis provided a review of the 1st Quarter Fund Evaluation Group report ending March 31, 2022. No changes to the plan are recommended at this time.

Motion by Crook, supported by Granger to receive and place on file the 1st Quarter Fund Evaluation Group Report for period ending March 31, 2022.

Motion CARRIED by the following vote:YES:Bryant, Granger, Crook, ZarbNO:NoneABSENT:Conigliaro

Consideration of a three-year contract with Foster & Foster Consulting Actuaries, Inc.

Motion by Crook, supported by Granger to authorize Shawn Murphy, the Pension Administrator to enter into an agreement with Foster & Foster Consulting Actuaries, Inc. on behalf of the Retiree Health Care Board of Trustees.

Motion CARRIED by the following vote:YES:Bryant, Granger, Crook, ZarbNO:NoneABSENT:Conigliaro

Motion by Granger, supported by Crook to authorize payment of the invoice to FEG for \$558.00.

Motion CARRIED by the following vote:YES:Bryant, Granger, Crook, ZarbNO:NoneABSENT:Conigliaro

RETIREE HEALTH CARE BENEFIT PLAN & TRUST 5/5/2022 PAGE 3

New Business/Public Comment: None

Motion by Granger, supported by Zarb to adjourn the meeting at 6:44 p.m.

Motion CARRIED by the following vote:YES:Bryant, Granger, Crook, ZarbNO:NoneABSENT:Conigliaro

Minutes recorded by: Tina Hoenicke

Approved by the Pension Board:

Shawn Murphy, Pension Administrator

_

Fund 736 OPEB

GL Number	Description	Balance
*** Assets ***		
736-000-001.000	CASH	0.00
736-000-004.000	CASH-TRUST	0.00
736-000-005.001	SCHWAB CASH	1,581,106.10
736-000-050.100	CONTRIBUTION RECEIVABLE-EE	0.00
736-000-056.000	INTEREST RECEIVABLE	0.00
736-000-056.100	CONTRIBUTIONS RECEIVABLE	0.00
736-000-067.101	DUE F/GENERAL FD	0.00
736-000-120.000	US GOVT SEC	0.00
736-000-121.100	DISCOUNT	0.00
Total A	ssets	1,581,106.10
*** Liabilitie:	s ***	
736-000-201.000	WEEKLY A/P	0.00
Total L	iabilities	0.00
*** Fund Balan	ce ***	
736-000-382.000	SUPPLEMENTAL ANNUITY RESERVE	0.00
736-000-390.000	CURRENT FUND BALANCE	1,584,642.13
736-000-395.000	PRIOR FUND BALANCE	0.00
Total F	und Balance	1,584,642.13
Beginni	ng Fund Balance	1,584,642.13
Net of 1	Revenues VS Expenditures	(3,536.03)
	Fund Balance	1,581,106.10



CITY OF GROSSE POINTE WOODS MEMORANDUM

Date: August 4, 2022

To: Pension & Retiree Health Care Board Trustees

From: Shawn Murphy, Pension Administrator

Re: 2023 Meeting Calendar

Pension Board proposed 2023 meeting dates are as follows:

Thursday, February 2, 2023	6:00 PM
Thursday, May 4, 2023	6:00 PM
Thursday, August 3, 2023	6:00 PM
Thursday, November 2, 2023	6:00 PM

Pending Board approval, these dates will be made available for the City's various publications.

Thank you.



COMPOSITE PERFORMANCE REVIEW

Report for Periods Ending June 30, 2022

The City of Grosse Pointe Woods Health Care Trust



Presented by:

Jeffrey A. Davis, CFA, CAIA Vice President / Advisor



Table of Contents

Description	Page
Market Summary	1
Total Composite	2-3
Domestic Equity	4-5
Small Cap Equity	6-6
International Equity	7-10
Fixed Income	11-14

SECOND QUARTER 2022 MARKET SUMMARY

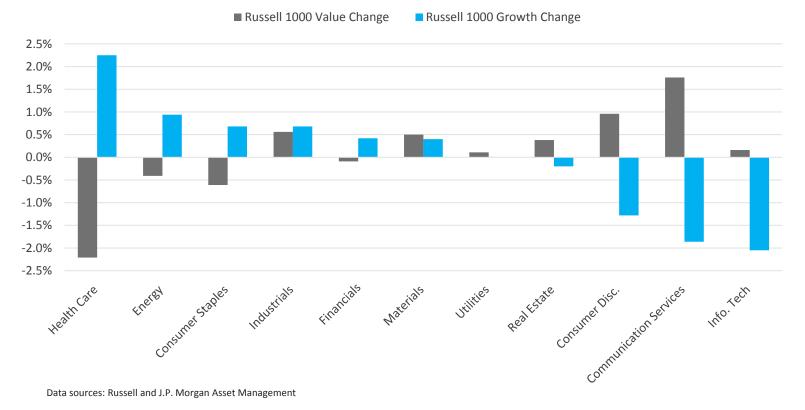
Traditional asset classes declined sharply in the final month of the second quarter, capping off one of the most challenging first six months of a calendar year in recent memory, as global equities, core and high yield bonds, and real estate investment trusts (REITs) posted double-digit losses through the first two quarters of 2022. Following a contraction in GDP growth in the first quarter, estimates for second-quarter growth reflected the potential for a further contraction, suggesting the U.S. economy may be in the midst of a recession.

Domestic equities witnessed underperformance versus both international developed and emerging markets. Stylistically, value stocks witnessed further outperformance versus their growth counterparts, buoyed by relatively strong returns from the energy sector. Despite the sell-off across risk assets during the quarter and the first half of the year, safe-haven assets such as Treasuries and precious metals provided investors with little relief. Ongoing inflationary pressures helped drive nominal interest rates higher, and those rising rates negatively impacted core bonds. Performance across real assets was similarly volatile to the downside—REITs, in particular, suffered dual headwinds in the way of rising interest rates and a slowdown in economic growth.

- Russell U.S. equity market indices went through their annual reconstitution during the second quarter and the significant market changes in 2022 led to some material changes in the indices.
- With the changes, some formerly high-flying technology names, specifically Meta (Facebook), PayPal, and Pinterest are now part of the Russell 1000 Value Index. With rising energy prices, some energy companies were promoted from the small cap Russell 2000 Index to the large cap Russell 1000 Index.

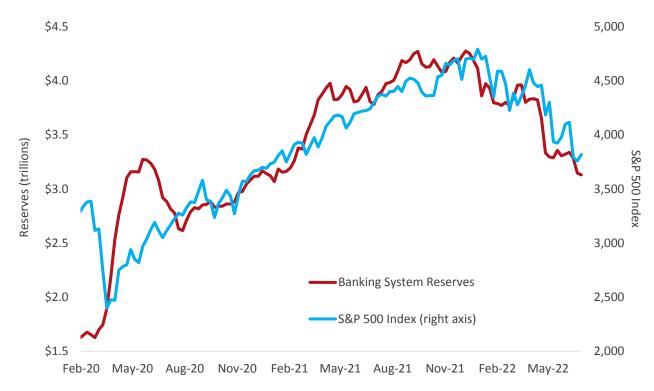
MARKET MOVES INFLUENCED RUSSELL'S INDEX RECONSTITUTION

Russell 1000 Value and Growth Indices Weight Changes



- Due largely to the tapering of asset purchases by the Federal Reserve (Fed) since late last year and the more recent initiation of the balance sheet runoff process, the Fed has introduced significant monetary restraint on the banking system.
- The Fed's expansion of banking system liquidity appears to have been a pivotal driver of the rally behind risk assets over the past two years. Thus, the recent sharp reduction in reserves has had severe negative implications for global investor risk appetites.

U.S. EQUITIES HAVE DECLINED WITH THE REDUCTION OF LIQUIDITY

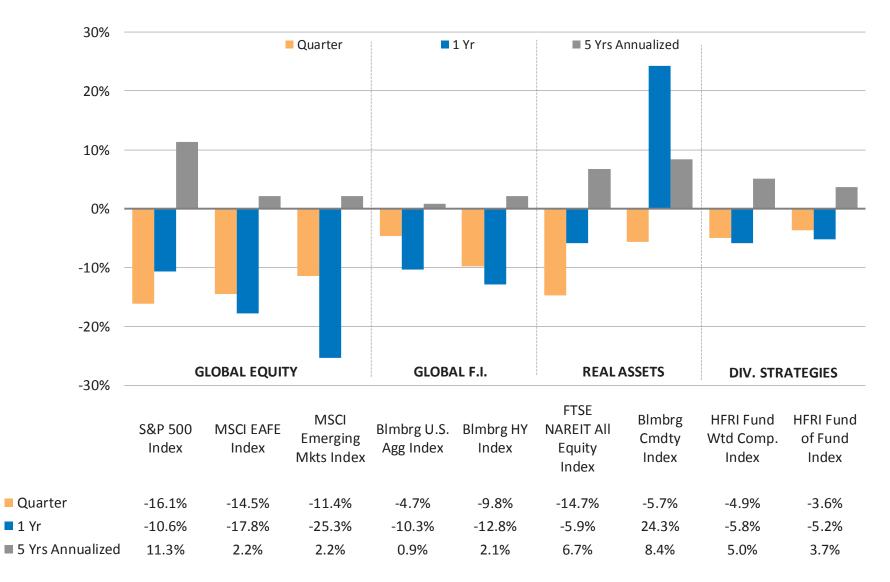


Banking System Reserves and the S&P 500 Index

Data sources: Federal Reserve, Bloomberg, L.P.; Data as of 6/29/2022

MARKET RETURNS

MAJOR ASSET CLASS RETURNS

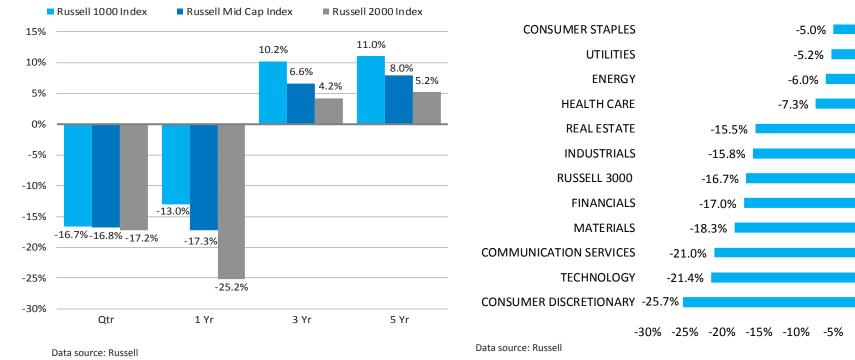


Data sources: Lipper and Hedge Fund Research, data as of 5th business day following quarter-end

GLOBAL EQUITY, U.S.

- Global equity returns were down double-digits across the globe over the quarter, pushing equities into a bear market and creating the worst year-to-date performance through June in the U.S. since 1970. Macroeconomic and geopolitical headwinds continued to significantly impact market performance, with persistent inflation, increasing fears of a recession, changing central bank policy, and the ramifications of the war in Ukraine all weighing on markets.
- Value equities outperformed growth equities in the U.S. in the second quarter. As recession worries rose over the month, equity investors increased demand for exposures in defensive sectors such as consumer staples, utilities, and health care. The energy sector was a strong performer for the quarter amid the high price of oil, but the sector lagged in June as oil traded off its yearly high by more than \$25 per barrel. Growth stocks continued to face significant headwinds as investors prioritized profitability and valuation.

RUSSELL 3000 SECTOR PERFORMANCE



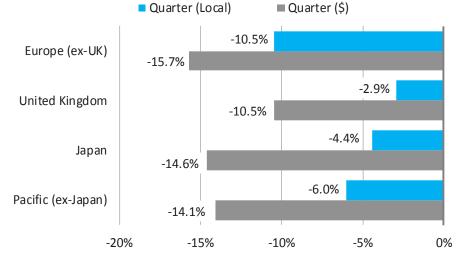
LARGE CAP, MID CAP, AND SMALL CAP

©2022 Fund Evaluation Group, LLC

0%

GLOBAL EQUITY, NON-U.S.

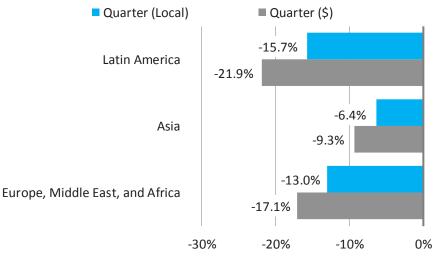
- Similar to the U.S., defensive sectors in the UK continue to outperform other areas of the equity market. At the end of May, UK Chancellor Rishi Sunak established cost of living payments to help citizens through the high inflationary environment and issued a windfall tax on energy companies receiving record profits. Together, the windfall tax and the late-quarter decline in spot oil prices pressured energy equities.
- Inflationary pressures continued to drive financial headlines in Europe, as the European Central Bank's (ECB) president, Christine Lagarde, referenced inflation as "broadening and intensifying." The ECB's policy rate of -0.5% remains in negative territory, where it has been since the European Debt Crisis. Europe's sector performance was like that of the U.S., with technology and real estate suffering some of the worst relative performance.
- The Russia-Ukraine War has hit Germany's gas supply the hardest; Germany may be forced to ration gas for industrial users under the nation's three-part emergency plan if prices and supply issues continue to mount.



MSCI EAFE REGIONAL QUARTERLY RETURNS

Data source: MSCI Barra

MSCI EM REGIONAL QUARTERLY RETURNS



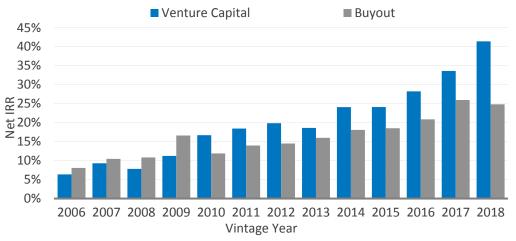
Data source: MSCI Barra

GLOBAL EQUITY, PRIVATE

- Private equity reports performance on a lag, and the latest data available are through December 31, 2021.
- Median private equity returns for both venture capital and buyout funds have generally been 15% or better since the 2010 vintage year, with venture returns in recent years over 30%.
- Median buyout fund performance exceeded that of venture funds for most of the 2000s through the 2009 vintage year. This dynamic reversed in the subsequent decade's vintage years, with venture funds generally performing better than buyout funds.
- The public market volatility during the first half of 2022 has not yet been reflected in private equity return data. If public market valuations remain under pressure, private equity returns will come down from their recent levels.
- Fundraising activity for venture capital and buyout funds was robust in 2021 and at or near record levels. Fundraising was strong to start the year, though it could taper as investors react to public market declines.

MEDIAN VENTURE CAPITAL AND BUYOUT VINTAGE YEAR IRR

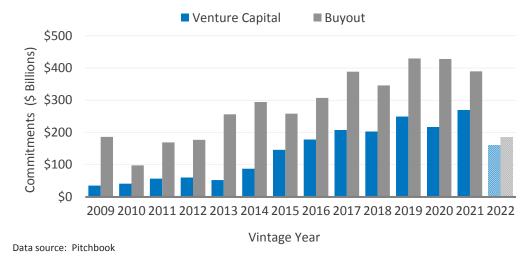
As of December 31, 2021



Data source: Thomson One; The most recent private equity return information available is through December 31, 2021

VENTURE CAPITAL AND BUYOUT FUNDRAISING ACTIVITY

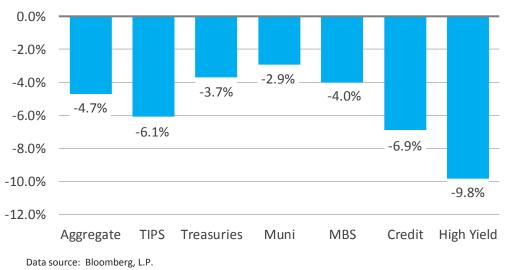
As of June 30, 2022



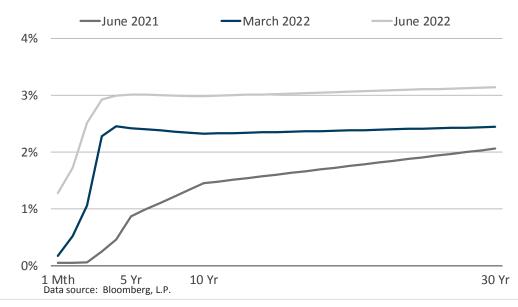
GLOBAL FIXED INCOME

- Interest rates sold off as the market discounted hawkish Fed policy.
- The second quarter brought heightened volatility, with multiple +0.25% intraday moves within various portions of the curve. The intermediate and long end of the curve ended the quarter well off the quarter's highs as the market digested weak economic data and growing recessionary fears.
- Corporate credit spread widening reflected broad risk-off appetite and mounting concerns on corporate fundamentals. Investment grade and high yield spreads widened by 42 and 244 basis points (bps), respectively.
- Agency mortgage spreads nearly doubled during the quarter given the rapid rise in mortgage rates and the potential sale of the Fed's mortgage holdings. The vast majority of the mortgage-backed securities (MBS) market has a coupon below current mortgage rates, pressuring MBS prices to the lowest levels on record and causing convexity to temporarily flip into positive territory.

BLOOMBERG U.S. FIXED INCOME INDEX RETURNS



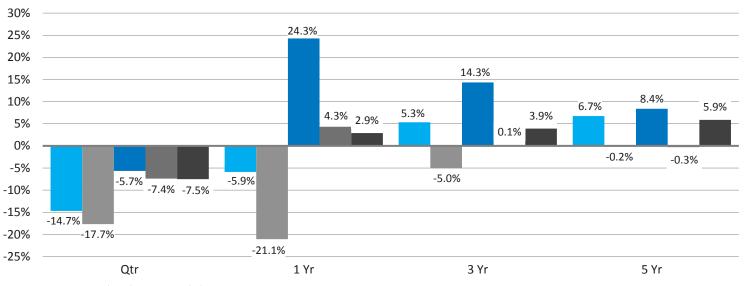
U.S. TREASURY YIELD CURVE



REAL ASSETS

- Publicly traded real estate securities (REITs) declined as the increased risk of a broader recession exacerbated the effects of
 rising interest rates. Those sectors most exposed to consumer confidence underperformed in the second quarter—most
 notably lodging, which had outperformed earlier in the year driven by the recovery in business and leisure travel.
- Reversing their strong upward trend in 2022, energy-related commodity prices fell during the month, with WTI crude oil closing at just under \$106/barrel. Crude prices have benefited from multiple tailwinds, including the war in Ukraine and a decade of declining capital expenditures by upstream energy companies; however, prices fell late in the quarter on concerns of a potential recession.
- Midstream energy infrastructure outperformed the broader equity markets in the second quarter and year-to-date. While fundamentals remain strong in the midstream sector due to deleveraging and growing cash flows, lower energy-related commodity prices led to a sell-off in midstream companies late in the second quarter.

PUBLIC REAL ASSETS - REAL ESTATE, COMMODITIES, MLPs, AND INFRASTRUCTURE



FTSE NAREIT All Equity Index
 Bloomberg Commodity Index

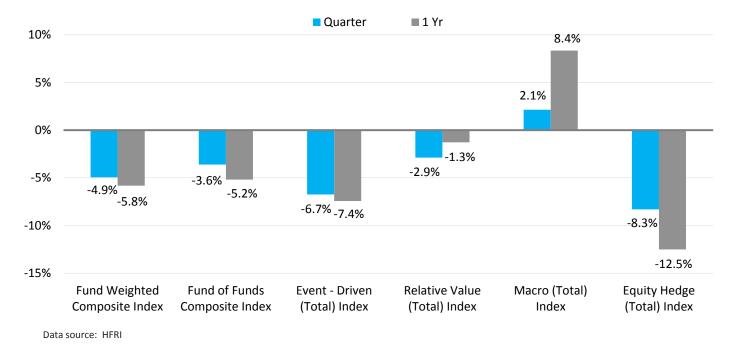
■ FTSE Global Listed Infrastructure 50/50 Index

FTSE EPRA/NAREIT Developed Property ex-U.S. Index
 Alerian MLP Index

Data sources: NAREIT, Bloomberg, L.P., and Alerian

DIVERSIFYING STRATEGIES, HEDGE FUNDS

- All main hedge fund strategies were detractors for the quarter except global macro, which generated a modest gain. Equity hedge continued to be the most significant laggard, followed by event-driven strategies.
- Systematic macro managers were once again strong performers in the second quarter. Leading the gains was long exposure to the U.S. dollar, short fixed income, short equities, and short base metals.
- Hedged equity managers struggled, with both growth and value strategies declining. Technology-focused managers were outliers to the downside, while healthcare had a slight rebound towards the end of the quarter.
- Event-driven manager returns were negative across the board based on underlying strategy focus. Activist strategies were the largest detractors as equity volatility impacts them most directly.



HFRI INDICES PERFORMANCE RETURNS IN U.S. DOLLARS

Summary of Investment Performance

Report for Periods Ending June 30, 2022

			-		Annualized			
						Since		
	Qtr	YTD	1Yr	3Yr	5Yr	Inception	Date	Market Value
Total Composite	-12.0%	-16.7%	-13.9%	5.1%	6.2%	7.2%	5/16	\$1,581,107
70/30 Index 1	-12.4	-17.3	-14.0	4.3	5.4	6.5		
Domestic Equity								
Schwab U.S. Large Cap ETF	-16.7	-21.1	-13.0	10.2	11.1	12.1	5/16	382,022
DJ U.S. LC Total Stock Market Index	-16.7	-21.1	-13.0	10.2	11.1	12.1		
Schwab U.S. Mid Cap ETF	-16.9	-21.5	-18.6	4.7	7.0	8.3	5/16	218,238
DJ U.S. MC Total Stock Market Index	-16.9	-21.5	-18.6	4.7	7.0	8.4		
Small Cap Equity								
Vanguard S&P Small Cap 600 Index	-14.1	-19.0	-16.9	-	-	9.0	8/19	152,687
S&P SmallCap 600 Index	-14.1	-18.9	-16.8	-	-	9.1		
International Equity								
Schwab International Equity ETF	-14.8	-19.2	-18.0	2.0	2.7	4.9	5/16	228,201
FTSE Developed ex U.S. Index	-14.9	-19.3	-18.2	1.9	2.6	4.8		
Schwab Emerging Markets ETF	-9.8	-14.5	-21.3	1.5	3.1	6.5	5/16	79,947
FTSE All Emerging Index	-10.2	-14.8	-21.2	2.0	3.6	6.9		
Fixed Income								
Schwab U.S. Aggregate Bond ETF	-4.7	-10.3	-10.3	-1.0	0.8	0.9	5/16	418,288
Bloomberg U.S. Aggregate Index	-4.7	-10.3	-10.3	-0.9	0.9	1.0		
Schwab U.S. TIPS ETF	-6.1	-8.9	-5.2	3.0	3.2	2.8	5/16	83,756
Bloomberg U.S. TIPS Index	-6.1	-8.9	-5.1	3.0	3.2	2.9		

Footnotes:

* Performance returns are net of investment management fees.

* Calculated returns may differ from the manager's due to differences in security pricing and/or cash flows.

* Manager and index data represent the most current available at the time of report publication.

* For managers and indices that report returns on a lag, 0.0% is utilized for the most recent time period until the actual return data are reported.

* The fiscal year ends in June.

¹70/30 Index is comprised of: 70.0% MSCI AC World Index and 30.0% Bloomberg U.S. Aggregate Index.

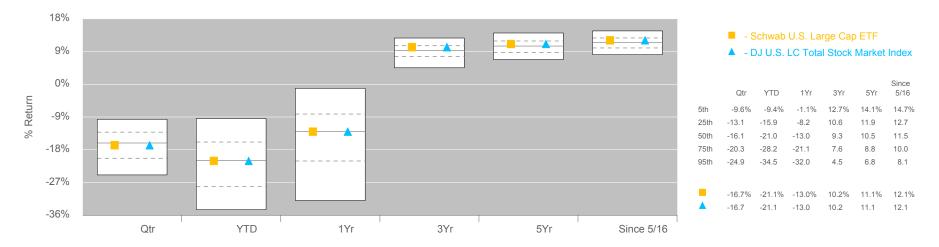
The City of Grosse Pointe Woods Health Care Trust Schedule of Asset and Style Allocation

	Asset Class	Current Weight	Target Weight	0		
	Large Cap Equity	24.4%	25.0%	5.0% - 35.0%		
	Mid Cap Equity	14.0%	15.0%	0.0% - 30.0%		
	Small Cap Equity	9.8%	10.0%	5.0% - 30.0%		
	International Equity	14.6%	15.0%	5.0% - 25.0%		
	Emerging Markets	5.1%	5.0%	0.0% - 10.0%		
	Fixed Income	32.1%	30.0%	25.0% - 35.0%		
	Cash	0.0%	0.0%			
	Total	100.0%	100.0%	,		
Asset Class - Style	Manager		rtfolio ested	Portfolio Cash	Market Value	Current Weight
Large Cap Equity - Broad	Schwab U.S. Large Cap ETF	10	0.0%	0.0%	\$382,022	24.4%
Mid Cap Equity - Broad	Schwab U.S. Mid Cap ETF	10	0.0%	0.0%	\$218,238	14.0%
Small Cap Equity - Broad	Vanguard S&P Small Cap 600 Index	10	0.0%	0.0%	\$152,687	9.8%
International Equity - Core	Schwab International Equity ETF	10	0.0%	0.0%	\$228,201	14.6%
Emerging Markets - Core	Schwab Emerging Markets ETF	10	0.0%	0.0%	\$79,947	5.1%
Fixed Income - Core	Schwab U.S. Aggregate Bond ETF	10	0.0%	0.0%	\$418,288	26.8%
Fixed Income - TIPS	Schwab U.S. TIPS ETF	10	0.0%	0.0%	\$83,756	5.4%
Sub-Total					\$1,563,139	100.0%
Cash - Cash	Cash				\$17,968	
Total					\$1,581,107	

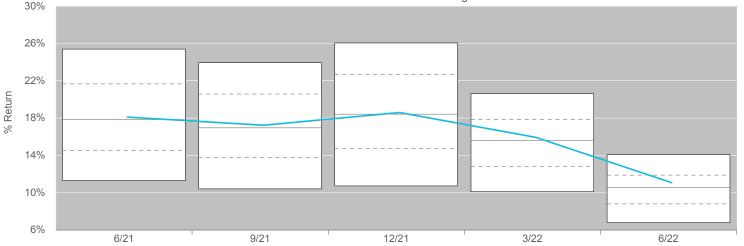
Schwab U.S. Large Cap ETF

Broad Large Cap Universe

For Report Periods Ending June 30, 2022



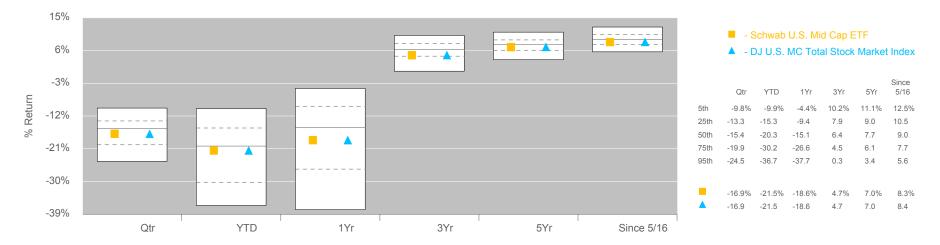
Report From June 30, 2016 to June 30, 2022 5 Year Rolling Periods



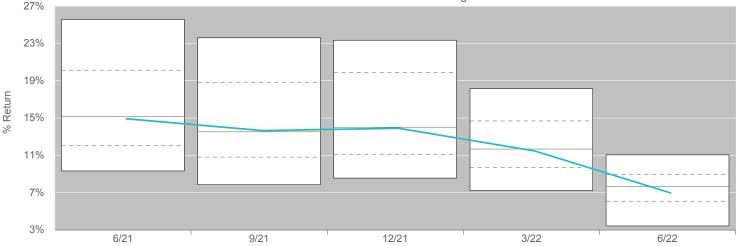
Schwab U.S. Mid Cap ETF

Broad Mid Cap Universe

For Report Periods Ending June 30, 2022



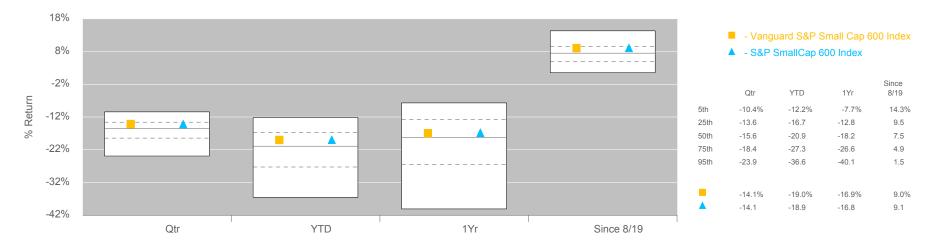
Report From June 30, 2016 to June 30, 2022 5 Year Rolling Periods



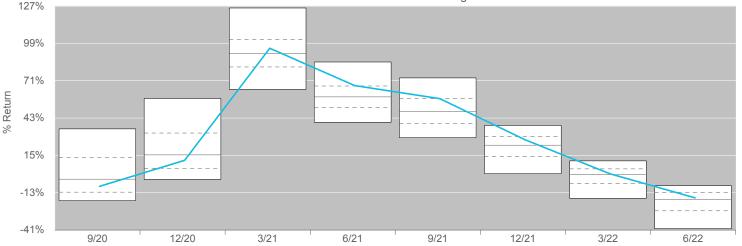
Vanguard S&P Small Cap 600 Index

Broad Small Cap Universe

For Report Periods Ending June 30, 2022



Report From September 30, 2019 to June 30, 2022 1 Year Rolling Periods



Schwab International Equity ETF

Summary of Performance and Statistics

Report For Periods Ending June 30, 2022

Performance Results	Qtr	YTD	1Yr	3Yr	5Yr	Since Inception	Inception Date
Schwab International Equity ETF	-14.8%	-19.2%	-18.0%	2.0%	2.7%	4.9%	5/16
FTSE Developed ex U.S. Index	-14.9	-19.3	-18.2	1.9	2.6	4.8	

Risk Statistics (5 years)	Beta	Alpha	R²	Standard Deviation	Tracking Error	Information Ratio
Schwab International Equity ETF	1.00	0.1%	1.00	16.9%	0.1%	1.1
FTSE Developed ex U.S. Index	1.00	0.0	1.00	16.9	0.0	

Portfolio Statistics	Trailing P/E	Trailing P/B	Wtd Avg Mkt Cap	Current Yield	Equity Annual Turnover
Schwab International Equity ETF	14.3	1.5	58,845.0M	2.8%	7.1%
FTSE Developed ex U.S. Index					

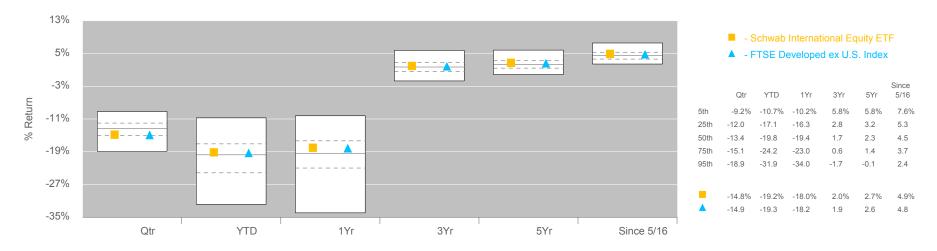
* Risk Statistics are based on monthly data.

* Manager data represents the most current available at the time of report publication.

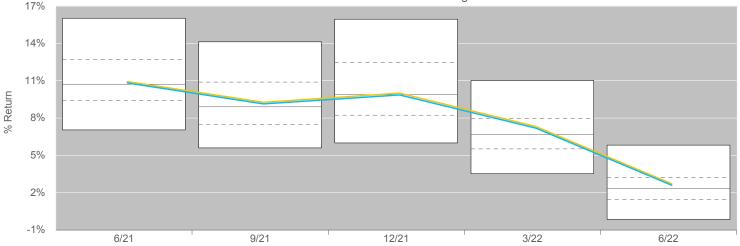
Schwab International Equity ETF

International Equity Universe

For Report Periods Ending June 30, 2022



Report From June 30, 2016 to June 30, 2022 5 Year Rolling Periods



Schwab Emerging Markets ETF

Summary of Performance and Statistics

Report For Periods Ending June 30, 2022

Performance Results	Qtr	YTD	1Yr	3Yr	5Yr	Since Inception	Inception Date
Schwab Emerging Markets ETF	-9.8%	-14.5%	-21.3%	1.5%	3.1%	6.5%	5/16
FTSE All Emerging Index	-10.2	-14.8	-21.2	2.0	3.6	6.9	

Risk Statistics (5 years)	Beta	Alpha	R ²	Standard Deviation	Tracking Error	Information Ratio
Schwab Emerging Markets ETF	1.00	-0.4%	1.00	17.4%	0.6%	-0.8
FTSE All Emerging Index	1.00	0.0	1.00	17.5	0.0	

Portfolio Statistics	Trailing P/E	Trailing P/B	Wtd Avg Mkt Cap	Current Yield	Equity Annual Turnover
Schwab Emerging Markets ETF	12.5	1.7	76,393.0M	2.4%	10.6%
FTSE All Emerging Index					

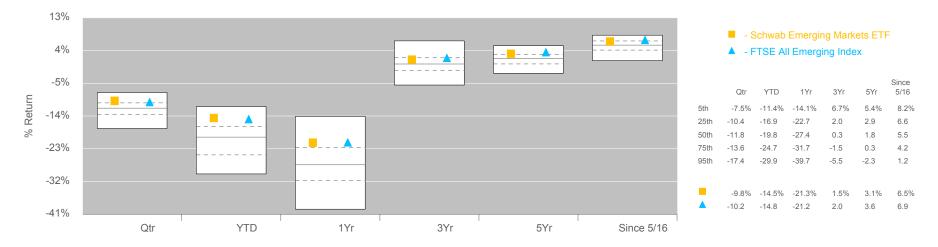
* Risk Statistics are based on monthly data.

* Manager data represents the most current available at the time of report publication.

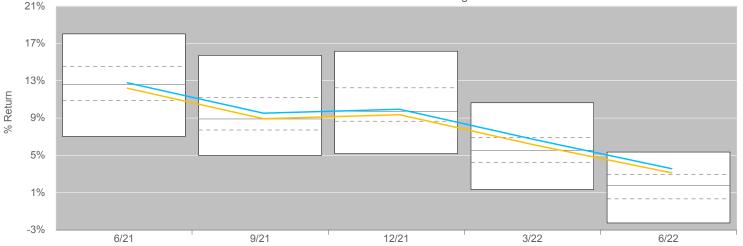
Schwab Emerging Markets ETF

Emerging Markets Universe

For Report Periods Ending June 30, 2022



Report From June 30, 2016 to June 30, 2022 5 Year Rolling Periods



Schwab U.S. Aggregate Bond ETF

Summary of Performance and Statistics

Report For Periods Ending June 30, 2022

Performance Results	Qtr	YTD	1Yr	3Yr	5Yr	Since Inception	Inception Date
Schwab U.S. Aggregate Bond ETF	-4.7%	-10.3%	-10.3%	-1.0%	0.8%	0.9%	5/16
Bloomberg U.S. Aggregate Index	-4.7	-10.3	-10.3	-0.9	0.9	1.0	

Risk Statistics (5 years)	Beta	Alpha	R²	Standard Deviation	Tracking Error	Information Ratio
Schwab U.S. Aggregate Bond ETF	1.00	-0.1 %	1.00	4.1%	0.1%	-0.7
Bloomberg U.S. Aggregate Index	1.00	0.0	1.00	4.1	0.0	

Portfolio Statistics	Effective Duration	Wtd Avg Maturity	Wtd Avg Credit	Yield to Worst	FI Annl Turnover
Schwab U.S. Aggregate Bond ETF	6.6yrs	8.6 yrs	AA	3.7%	%
Bloomberg U.S. Aggregate Index	6.6	8.6	AA	3.7	

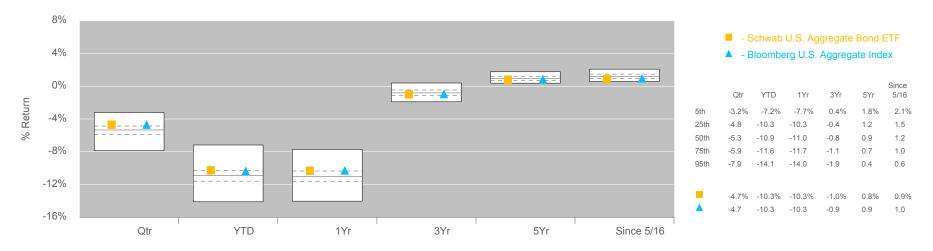
* Risk Statistics are based on monthly data.

* Manager data represents the most current available at the time of report publication.

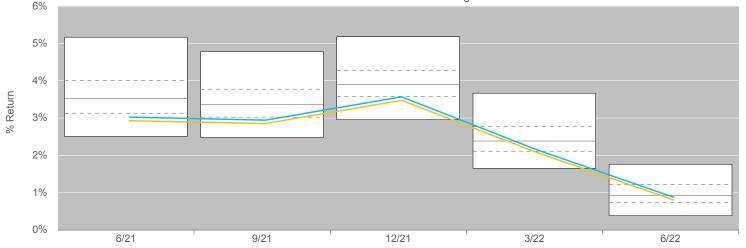
Schwab U.S. Aggregate Bond ETF

Core Fixed Income Universe

For Report Periods Ending June 30, 2022



Report From June 30, 2016 to June 30, 2022 5 Year Rolling Periods



Schwab U.S. TIPS ETF

Summary of Performance and Statistics

Report For Periods Ending June 30, 2022

Performance Results	Qtr	YTD	1Yr	3Yr	5Yr	Since Inception	Inception Date
Schwab U.S. TIPS ETF	-6.1%	-8.9%	-5.2%	3.0%	3.2%	2.8%	5/16
Bloomberg U.S. TIPS Index	-6.1	-8.9	-5.1	3.0	3.2	2.9	

Risk Statistics (5 years)	Beta Alpha R ²		R²	Standard Deviation	Tracking Error	Information Ratio	
Schwab U.S. TIPS ETF	1.00	-0.1%	1.00	4.4%	0.1%	-1.0	
Bloomberg U.S. TIPS Index	1.00	0.0	1.00	4.4	0.0		

Portfolio Statistics	Effective Duration	Wtd Avg Maturity	Wtd Avg Credit	Yield to Worst	FI Annl Turnover
Schwab U.S. TIPS ETF	7.0 yrs	7.4yrs	AAA	3.4%	%
Bloomberg U.S. TIPS Index	7.0	7.4	AAA	3.4	

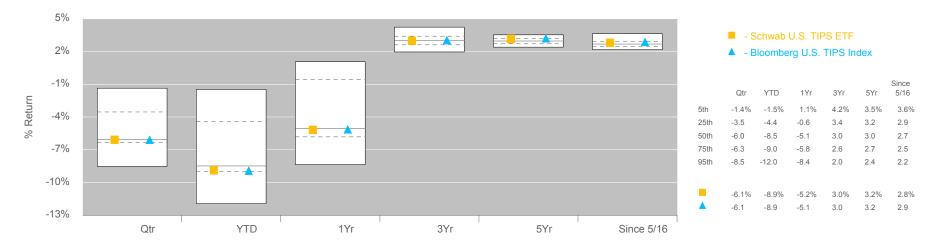
* Risk Statistics are based on monthly data.

* Manager data represents the most current available at the time of report publication.

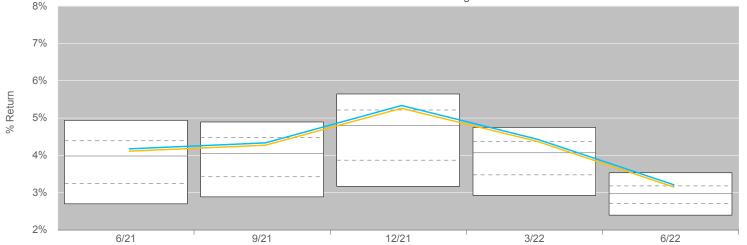
Schwab U.S. TIPS ETF

TIPS Universe

For Report Periods Ending June 30, 2022



Report From June 30, 2016 to June 30, 2022 5 Year Rolling Periods



Index Summary Sheet for Periods Ending June 30, 2022

Clobal Equity Qr YrD 1 Yr 3 Yr 5 Yr 0 Yr MSCI AC World Index -15.7% -20.2% -15.8% 6.2% 7.0% 8.8% MSCI World Index -16.7% -20.02% -14.4.3 7.0 7.7 9.5 SAP 500 Index -16.1 -20.0 -10.6 10.6 11.3 12.6 Russell 1000 Index -16.7 -20.9 -13.0 10.2 11.0 12.8 Russell 1000 Value Index -16.7 -20.9 -6.8 6.9 7.2 10.5 Russell Midcap Index -12.2 -12.9 -6.8 6.0 8.0 11.5 Russell Midcap Crowth Index -11.7 -16.2 -10.0 6.7 6.3 10.6 Russell 2000 Crowth Index -19.3 -29.5 -33.4 1.4 4.8 9.3 Russell 2000 Crowth Index -19.3 -29.5 -33.4 1.4 4.8 9.3 Russell 2000 Crowth Index -19.3 -25.1 -30.0 5.2 <th></th> <th></th> <th></th> <th></th> <th colspan="4">Annualized</th>					Annualized			
MSCI World Index -16.2 -20.5 -14.3 7.0 7.7 9.5 SAP 500 Index -16.1 -20.0 -10.6 10.6 11.3 12.9 Russell 3000 Index -16.7 -20.9 -13.0 10.2 11.0 12.8 Russell 1000 Growth Index -16.7 -20.9 -6.8 6.9 7.2 10.5 Russell Midcap Index -12.2 -16.8 -17.3 6.6 8.0 11.3 Russell Midcap Crowth Index -11.7 -16.2 -10.0 6.7 6.3 10.6 Russell Widcap Crowth Index -17.2 -23.4 -25.2 4.2 5.2 9.4 Russell 2000 Growth Index -17.2 -23.4 -25.2 4.2 5.2 9.4 Russell 2000 Growth Index -16.3 -17.3 -16.3 6.2 4.9 9.1 Russell 2000 Growth Index -19.0 -25.1 -30.7 5.1 4.5 9.0 Russell 2000 Value Index -19.0 -25.1 -30.7 5.1 4.5 9.0 RUSCI AEX Fordwh Index -11.7 <t< th=""><th>Global Equity</th><th>Qtr</th><th>YTD</th><th>1 Yr</th><th>3 Yr</th><th>5 Yr</th><th>10 Yr</th></t<>	Global Equity	Qtr	YTD	1 Yr	3 Yr	5 Yr	10 Yr	
S&P 500 Index -16.1 -20.0 -10.6 10.6 11.3 12.9 Russell 3000 Index -16.7 -21.1 -13.9 9.8 10.6 12.6 Russell 1000 Growth Index -20.9 -28.1 -18.8 12.6 14.3 14.8 Russell 1000 Growth Index -12.2 -12.9 -6.8 6.9 7.2 10.5 Russell Midcap Index -16.1 -31.0 -29.6 4.3 8.9 11.3 Russell Midcap Growth Index -12.2 -12.9 -6.8 6.9 7.2 10.5 Russell Midcap Index -14.7 -16.2 -10.0 6.7 6.3 10.6 Russell 2000 Growth Index -19.3 -29.5 -33.4 1.4 4.8 9.3 Russell 2000 Growth Index -19.3 -26.1 -30.7 5.1 4.5 9.0 Russell 2000 Growth Index -19.3 -26.5 -33.4 1.4 4.8 9.3 Russell 2000 Growth Index -19.3 -26.8 -23.8 1.3 3.5 6.3 Russel Micocap Index -16.9	MSCI AC World Index	-15.7%	-20.2%	-15.8%	6.2%	7.0%	8.8%	
Russell 3000 Index -16.7 -21.1 -13.9 9.8 10.6 12.6 Russell 1000 Index -16.7 -20.9 -13.0 10.2 11.0 12.8 Russell 1000 Crowth Index -20.9 -28.1 -13.8 12.6 14.3 14.8 Russell Midcap Index -12.2 -12.9 -6.8 6.9 7.2 10.5 Russell Midcap Growth Index -11.4 -16.2 -10.0 6.7 6.3 10.6 Russell Midcap Value Index -14.7 -16.2 -10.0 6.7 6.3 10.6 Russell 2000 Index -17.2 -23.4 -25.2 4.2 5.2 9.4 Russell 2000 Crowth Index -19.3 -25.5 -33.4 1.4 4.8 9.3 Russell Microcap Index -19.0 -25.1 -30.7 5.1 4.5 9.0 NSCI AC World Index ex-U.S. -13.7 -16.4 -10.4 1.4 2.5 4.8 MSCI EAFE Index -16.7 -28.4 -23.8	MSCI World Index	-16.2	-20.5	-14.3	7.0	7.7	9.5	
Russell 1000 Index -16.7 -20.9 -13.0 10.2 11.0 12.8 Russell 1000 Growth Index -20.9 -28.1 -8.8 12.6 14.3 14.8 Russell 1000 Value Index -12.2 -16.8 -21.6 -17.3 6.6 8.0 11.3 Russell Midcap Growth Index -21.1 -31.0 -29.6 4.3 8.9 11.5 Russell Midcap Growth Index -21.1 -31.0 -29.6 4.3 8.9 11.5 Russell 2000 Index -17.2 -23.4 -25.2 4.2 5.2 9.4 Russell 2000 Growth Index -15.3 -17.3 -16.3 6.2 4.9 9.1 Russell 2000 Value Index -19.0 -25.1 -30.7 5.1 4.5 9.0 RUSSEL AFE Index -14.5 -19.6 -17.8 1.1 2.2 5.4 MSCI EAFE Index -16.4 -10.4 -17.6 -26.3 0.6 2.2 3.1 MSCI EAFE Index -11.4 -17.	S&P 500 Index	-16.1	-20.0	-10.6	10.6	11.3	12.9	
Russell 1000 Growth Index -20.9 -28.1 -18.8 12.6 14.3 14.8 Russell Midcap Index -12.2 -12.9 -6.8 6.9 7.2 10.5 Russell Midcap Index -21.1 -31.0 -29.6 4.3 8.9 11.5 Russell Midcap Value Index -14.7 -16.2 -10.0 6.7 6.3 10.6 Russell Midcap Value Index -14.7 -16.2 -10.0 6.7 6.3 10.6 Russell 2000 Growth Index -17.2 -23.4 -25.2 4.2 5.2 9.4 Russell 2000 Value Index -19.3 -29.5 -33.4 1.4 4.8 9.3 Russell Microcap Index -19.3 -7.3 -16.3 6.2 4.9 9.1 Russell Microcap Index -19.3 -7.1 -9.4 -14.4 2.5 4.8 SCI EAFE Index -13.7 -18.4 -19.4 1.4 2.5 4.8 MSCI EAFE Index -12.4 -12.1 -11.9 0.	Russell 3000 Index	-16.7	-21.1	-13.9	9.8	10.6	12.6	
Russell 1000 Value Index -12.2 -12.9 -6.8 6.9 7.2 10.5 Russell Midcap Index -16.8 -21.6 -17.3 6.6 8.0 11.3 Russell Midcap Growth Index -21.1 -31.0 -29.6 4.3 8.9 11.6 Russell Midcap Value Index -14.7 -16.2 -10.0 6.7 6.3 10.6 Russell 2000 Index -17.2 -23.4 -25.2 4.2 5.2 9.4 Russell 2000 Value Index -19.3 -29.5 -33.4 1.4 4.8 9.3 Russell 2000 Value Index -19.0 -25.1 -30.7 5.1 4.5 9.0 MSCI EAFE Index -19.0 -26.8 -23.8 1.3 3.5 6.3 MSCI EAFE Value Index -16.9 -26.8 -23.8 1.3 3.5 4.3 MSCI EAFE Value Index -11.4 -17.6 -24.0 1.1 1.7 7.2 MSCI EAFE Value Index -13.8 -20.6 -17.3 0.	Russell 1000 Index	-16.7	-20.9	-13.0	10.2	11.0	12.8	
Russell Midcap Index -16.8 -21.6 -17.3 6.6 8.0 11.3 Russell Midcap Growth Index -21.1 -30.0 -29.6 4.3 8.9 11.5 Russell Midcap Value Index -14.7 -16.2 -10.0 6.7 6.3 10.6 Russell 2000 Index -17.2 -23.4 -25.2 4.2 5.2 9.4 Russell 2000 Growth Index -19.3 -27.3 -16.3 6.2 4.9 9.1 Russell 2000 Growth Index -19.3 -17.3 -16.3 6.2 4.9 9.1 Russell 2000 Value Index -19.0 -25.1 -30.7 5.1 4.5 9.0 MSCI EAFE Index -13.7 -18.4 -19.4 1.4 2.5 4.8 MSCI EAFE Growth Index -16.9 -26.8 -23.8 1.3 3.5 6.3 MSCI EAFE Index -17.7 -24.7 -24.0 1.1 1.7 7.2 MSCI Energing Markets Index -11.4 -17.6 -25.3 <td< td=""><td>Russell 1000 Growth Index</td><td>-20.9</td><td>-28.1</td><td>-18.8</td><td>12.6</td><td>14.3</td><td>14.8</td></td<>	Russell 1000 Growth Index	-20.9	-28.1	-18.8	12.6	14.3	14.8	
Russell Midcap Value Index -21.1 -31.0 -29.6 4.3 8.9 11.5 Russell Midcap Value Index -14.7 -16.2 -10.0 6.7 6.3 10.6 Russell 2000 Index -17.2 -23.4 -25.2 4.2 5.2 9.4 Russell 2000 Crowth Index -19.3 -29.5 -33.4 1.4 4.8 9.3 Russell 2000 Value Index -15.3 -17.3 -16.3 6.2 4.9 9.1 Russell 2000 Value Index -19.0 -25.1 -30.7 5.1 4.5 9.0 NSCI AC World Index ex-U.S. -13.7 -18.4 -19.4 -14 2.5 4.8 MSCI EAFE Growth Index -16.9 -26.8 -23.8 1.3 3.5 6.3 MSCI EAFE Value Index -16.4 -20.0 -26.7 -5.8 3.5 4.3 MSCI EAFE Value Index -11.4 -17.6 -25.3 0.6 2.2 3.1 MSCI Farteriging Markets Index -16.4 -20.0 -2	Russell 1000 Value Index	-12.2	-12.9	-6.8	6.9	7.2	10.5	
Russell Midoap Value Index -14.7 -16.2 -10.0 6.7 6.3 10.6 Russell 2000 Index -17.2 -23.4 -25.2 4.2 5.2 9.4 Russell 2000 Growth Index -19.3 -29.5 -33.4 1.4 4.8 9.3 Russell 2000 Value Index -19.3 -17.3 -16.3 6.2 4.9 9.1 Russell 2000 Value Index -19.0 -25.1 -30.7 5.1 4.5 9.0 MSCI AC World Index ex-U.S. -13.7 18.4 -19.4 1.4 2.5 4.8 MSCI EAFE Index -16.9 -26.8 -23.8 1.3 3.5 6.3 MSCI EAFE Value Index -16.4 -12.4 -11.9 0.2 0.5 4.2 MSCI Earerging Markets Index -11.4 -17.6 -25.3 0.6 2.2 3.1 MSCI Earerging Markets Index -11.4 -17.6 -25.3 0.6 5.5 5.9 HFRI Euroging Markets Index -6.3 -12.2 -16.5 </td <td>Russell Midcap Index</td> <td>-16.8</td> <td>-21.6</td> <td>-17.3</td> <td>6.6</td> <td>8.0</td> <td>11.3</td>	Russell Midcap Index	-16.8	-21.6	-17.3	6.6	8.0	11.3	
Russell 2000 Index -17.2 -23.4 -25.2 4.2 5.2 9.4 Russell 2000 Growth Index -19.3 -29.5 -33.4 1.4 4.8 9.3 Russell 2000 Value Index -15.3 17.3 -16.3 6.2 4.9 9.1 Russell Microcap Index -19.0 -25.1 -30.7 5.1 4.5 9.0 MSCI AC World Index ex-U.S. -13.7 -18.4 -19.4 1.4 2.5 4.8 MSCI EAFE Index -14.5 -19.6 -17.8 1.1 2.2 5.4 MSCI EAFE Value Index -16.9 -26.8 -23.8 1.3 3.5 6.3 MSCI EAFE Value Index -17.7 -24.7 -10.1 1.7 7.2 MSCI Energing Markets Index -11.4 -17.6 -25.3 0.6 2.2 3.1 MSCI Energing Markets Index -16.4 -20.0 -20.7 5.8 3.5 5.9 HFRI Equity Hedge Index -8.3 -12.3 -17.5 3.2 <t< td=""><td>Russell Midcap Growth Index</td><td>-21.1</td><td>-31.0</td><td>-29.6</td><td>4.3</td><td>8.9</td><td>11.5</td></t<>	Russell Midcap Growth Index	-21.1	-31.0	-29.6	4.3	8.9	11.5	
Russell 2000 Growth Index -19.3 -29.5 -33.4 1.4 4.8 9.3 Russell 2000 Value Index -15.3 -17.3 -16.3 6.2 4.9 9.1 Russell Microcap Index -19.0 -25.1 -30.7 5.1 4.5 9.0 MSCI AC World Index ex-U.S. -13.7 -18.4 -19.4 1.4 2.5 4.8 MSCI EAFE Index -14.5 -19.6 -17.8 1.1 2.2 5.4 MSCI EAFE Index -16.9 -26.8 -23.8 1.3 3.5 6.3 MSCI EAFE Value Index -16.9 -26.8 -23.8 1.1 1.7 7.2 MSCI EAFE Index -17.7 -24.7 -24.0 1.1 1.7 7.2 MSCI Emerging Markets Index -11.4 -17.6 -26.3 0.6 2.2 3.1 MSCI Emerging Markets Index -13.8 -20.6 -17.3 0.6 1.6 5.5 HFRI Equity Hedge Index -6.3 -12.1 -11.5 3.2 <td>Russell Midcap Value Index</td> <td>-14.7</td> <td>-16.2</td> <td>-10.0</td> <td>6.7</td> <td>6.3</td> <td>10.6</td>	Russell Midcap Value Index	-14.7	-16.2	-10.0	6.7	6.3	10.6	
Russell 2000 Value Index -15.3 -17.3 -16.3 6.2 4.9 9.1 Russell Microcap Index -19.0 -25.1 -30.7 5.1 4.5 9.0 MSCI AC World Index ex-U.S. -13.7 -18.4 -19.4 1.4 2.5 4.8 MSCI EAFE Index -16.9 -17.8 1.1 2.2 5.4 MSCI EAFE Growth Index ex-U.S. -16.9 -26.8 -23.8 1.3 3.5 6.3 MSCI EAFE Index -16.9 -26.4 -21.1 -11.9 0.2 0.5 4.2 MSCI EAFE Index -12.4 -12.1 -11.9 0.2 0.5 4.2 MSCI Emerging Markets Index -11.4 -17.6 -25.3 0.6 2.2 3.1 MSCI Frontier Markets Index -13.8 -20.6 -17.3 0.6 1.6 5.1 HFRI Equity Hedge Index -8.3 -12.2 -16.5 2.1 2.3 3.7 HFRI Equity Hedge Index -8.0 -14.2 -16.5	Russell 2000 Index	-17.2	-23.4	-25.2	4.2	5.2	9.4	
Russell Microcap Index -19.0 -25.1 -30.7 5.1 4.5 9.0 MSCI AC World Index ex-U.S. -13.7 -18.4 -19.4 1.4 2.5 4.8 MSCI EAFE Index -14.5 -19.6 -17.8 1.1 2.2 5.4 MSCI EAFE Growth Index -16.9 -26.8 -23.8 1.3 3.5 6.3 MSCI EAFE Value Index -12.4 -12.1 -11.9 0.2 0.5 4.2 MSCI Emerging Markets Index -11.4 -17.6 -25.3 0.6 2.2 3.1 MSCI Emerging Markets Small Cap Index -16.4 -20.0 -20.7 5.8 3.5 5.9 HFRI Equity Hedge Index -18.3 -20.6 -17.3 0.6 1.6 5.1 HFRI Equity Hedge Index -8.3 -12.3 -16.5 2.1 2.3 3.7 HFRI Endex -6.3 -12.1 -11.5 3.2 3.1 3.8 Thomson One All private Capital Index 0.0 0.11.3 20.7 <td>Russell 2000 Growth Index</td> <td>-19.3</td> <td>-29.5</td> <td>-33.4</td> <td>1.4</td> <td>4.8</td> <td>9.3</td>	Russell 2000 Growth Index	-19.3	-29.5	-33.4	1.4	4.8	9.3	
MSCI AC World Index ex-U.S. -13.7 -18.4 -19.4 1.4 2.5 4.8 MSCI EAFE Index -14.5 -19.6 -17.8 1.1 2.2 5.4 MSCI EAFE Growth Index -16.9 -26.8 -23.8 1.3 3.5 6.3 MSCI EAFE Value Index -12.4 -12.1 -11.9 0.2 0.5 4.2 MSCI EAFE Value Index -17.7 -24.7 -24.0 1.1 1.7 7.2 MSCI Emerging Markets Index -11.4 -17.6 -25.3 0.6 2.2 3.1 MSCI Frontier Markets Index -16.4 -20.0 -20.7 5.8 3.5 4.3 MSCI Frontier Markets Index -18.8 -20.6 -17.3 0.6 1.6 5.1 HFRI Equity Hedge Index -8.3 -12.3 -12.5 6.3 5.5 5.9 HFRI FOF: Strategic Index -8.0 -14.2 -16.5 2.1 2.3 3.7 Thomson One All Private Capital Index 0.0 0.11.1	Russell 2000 Value Index	-15.3	-17.3	-16.3	6.2	4.9	9.1	
MSCI EAFE Index -14.5 -19.6 -17.8 1.1 2.2 5.4 MSCI EAFE Growth Index -16.9 -26.8 -23.8 1.3 3.5 6.3 MSCI EAFE Value Index -12.4 -12.1 -11.9 0.2 0.5 4.2 MSCI Small Cap EAFE Index -17.7 -24.7 -24.0 1.1 1.7 7.2 MSCI Emerging Markets Index -11.4 -17.6 -25.3 0.6 2.2 3.1 MSCI Frontier Markets Index -11.4 -17.6 -20.7 5.8 3.5 5.9 MSCI Frontier Markets Index -13.8 -20.6 -17.3 0.6 1.6 5.1 HFRI Equity Hedge Index -8.3 -12.3 -12.5 6.3 5.5 5.9 HFRI FOF: Strategic Index -8.0 -14.2 -16.5 2.1 2.3 3.7 Thomson One All Private Capital Index 0.0 -0.1 1.4 9.4 21.0 18.4 16.5 Thomson One Fund of Funds Index 0.0 <	Russell Microcap Index	-19.0	-25.1	-30.7	5.1	4.5	9.0	
MSCI EAFE Growth Index-16.9-26.8-23.81.33.56.3MSCI EAFE Value Index-12.4-12.1-11.90.20.54.2MSCI Small Cap EAFE Index-17.7-24.7-24.01.11.77.2MSCI Emerging Markets Index-11.4-17.6-25.30.62.23.1MSCI Emerging Markets Index-16.4-20.0-20.75.83.54.3MSCI Frontier Markets Index-16.4-20.0-20.75.83.54.3MSCI Frontier Markets Index-13.8-20.6-17.30.61.65.1HFRI Equity Hedge Index-8.3-12.3-12.56.35.55.9HFRI Equity Hedge Index-6.3-12.1-11.53.23.13.8Thomson One All Private Capital Index0.00.011.320.717.614.9Thomson One Fund of Funds Index0.0-2.78.327.321.816.4Thomson One Fund of Funds Index0.0-2.78.327.321.816.4Thomson One Venture Capital Index0.0-2.78.327.321.816.4Thomson One Venture Capital Index0.0-2.78.327.321.816.4Thomson One Venture Capital Index-0.0-2.78.321.416.525.9Bloomberg U.S. TIPS Index-4.7-10.3-10.3-0.90.91.515.9Bloomberg U.S. TIPS Index-6.1-8	MSCI AC World Index ex-U.S.	-13.7	-18.4	-19.4	1.4	2.5	4.8	
MSCI EAFE Value Index -12.4 -12.1 -11.9 0.2 0.5 4.2 MSCI Small Cap EAFE Index -17.7 -24.7 -24.0 1.1 1.7 7.2 MSCI Emerging Markets Index -11.4 -17.6 -25.3 0.6 2.2 3.1 MSCI Emerging Markets Small Cap Index -16.4 -20.0 -20.7 5.8 3.5 4.3 MSCI Frontier Markets Index -13.8 -20.6 -17.3 0.6 1.6 5.1 HFRI Equity Hedge Index -8.0 -14.2 -16.5 2.1 2.3 3.7 HFRI Energing Markets -8.0 -14.2 -16.5 2.1 2.3 3.7 HFRI Energing Markets -8.0 -14.2 -16.5 2.1 2.3 3.7 HFRI Energing Markets -0.0 0.0 11.3 20.7 17.6 14.9 Thomson One All Private Capital Index 0.0 -2.7 8.3 27.3 21.8 16.4 Thomson One Fund of Funds Index 0.0 -2.7	MSCI EAFE Index	-14.5	-19.6	-17.8	1.1	2.2	5.4	
MSCI Small Cap EAFE Index-17.7-24.7-24.01.11.77.2MSCI Emerging Markets Index-11.4-17.6-25.30.62.23.1MSCI Emerging Markets Small Cap Index-16.4-20.0-20.75.83.54.3MSCI Frontier Markets Index-13.8-20.6-17.30.61.65.1HFRI Equity Hedge Index-8.3-12.3-12.56.35.55.9HFRI Emerging Markets-8.0-14.2-16.52.12.33.7HFRI FOF: Strategic Index-6.3-12.1-11.53.23.13.8Thomson One All Private Capital Index0.00.011.320.717.614.9Thomson One Fund of Funds Index0.0-2.78.327.321.816.4Thomson One Venture Capital Index0.0-2.78.331.426.520.9Bloomberg U.S. Aggregate Index-4.7-10.3-10.3-0.90.91.5Bloomberg U.S. TIPS Index-6.1-8.9-5.13.03.21.7Bloomberg Government Bond Index-3.7-9.0-8.8-0.80.81.0Bloomberg Municipals Index-2.9-9.0-8.6-0.21.52.4	MSCI EAFE Growth Index	-16.9	-26.8	-23.8	1.3	3.5	6.3	
MSCI Emerging Markets Index-11.4-17.6-25.30.62.23.1MSCI Emerging Markets Small Cap Index-16.4-20.0-20.75.83.54.3MSCI Frontier Markets Index-13.8-20.6-17.30.61.65.1HFRI Equity Hedge Index-8.3-12.3-12.56.35.55.9HFRI Emerging Markets-8.0-14.2-16.52.12.33.7HFRI FOF: Strategic Index-6.3-12.1-11.53.23.13.8Thomson One All Private Capital Index0.00.011.320.717.614.9Thomson One Buyout Index0.0-2.78.327.321.816.4Thomson One Fund of Funds Index0.0-2.78.331.426.520.9Global Fixed Income-4.7-10.3-10.3-0.90.91.5Bloomberg U.S. Aggregate Index-6.1-8.9-5.13.03.21.7Bloomberg Government Bond Index-3.7-9.0-8.8-0.80.81.0Bloomberg Municipals Index-2.9-9.0-8.6-0.21.52.4	MSCI EAFE Value Index	-12.4	-12.1	-11.9	0.2	0.5	4.2	
MSCI Emerging Markets Small Cap Index-16.4-20.0-20.75.83.54.3MSCI Frontier Markets Index-13.8-20.6-17.30.61.65.1HFRI Equity Hedge Index-8.3-12.3-12.56.35.55.9HFRI Emerging Markets-8.0-14.2-16.52.12.33.7HFRI FOF: Strategic Index-6.3-12.1-11.53.23.13.8Thomson One All Private Capital Index0.00.011.320.717.614.9Thomson One Buyout Index0.0-2.78.327.321.816.4Thomson One Fund of Funds Index0.0-2.78.331.426.520.9Global Fixed Income3.03.21.7Bloomberg U.S. Aggregate Index-4.7-10.3-10.3-0.90.91.5Bloomberg Government Bond Index-3.7-9.0-8.8-0.80.81.0Bloomberg Municipals Index-2.9-9.0-8.6-0.21.52.4	MSCI Small Cap EAFE Index	-17.7	-24.7	-24.0	1.1	1.7	7.2	
MSCI Frontier Markets Index-13.8-20.6-17.30.61.65.1HFRI Equity Hedge Index-8.3-12.3-12.56.35.55.9HFRI Emerging Markets-8.0-14.2-16.52.12.33.7HFRI FOF: Strategic Index-6.3-12.1-11.53.23.13.8Thomson One All Private Capital Index0.00.011.320.717.614.9Thomson One Buyout Index0.0-1.19.421.018.416.5Thomson One Fund of Funds Index0.0-2.78.327.321.816.4Thomson One Venture Capital Index0.0-3.38.331.426.520.9Global Fixed Income	MSCI Emerging Markets Index	-11.4	-17.6	-25.3	0.6	2.2	3.1	
HFRI Equity Hedge Index-8.3-12.3-12.56.35.55.9HFRI Emerging Markets-8.0-14.2-16.52.12.33.7HFRI FOF: Strategic Index-6.3-12.1-11.53.23.13.8Thomson One All Private Capital Index0.00.011.320.717.614.9Thomson One Buyout Index0.0-1.19.421.018.416.5Thomson One Fund of Funds Index0.0-2.78.327.321.816.4Thomson One Venture Capital Index0.0-3.38.331.426.520.9Clobal Fixed Income	MSCI Emerging Markets Small Cap Index	-16.4	-20.0	-20.7	5.8	3.5	4.3	
HFRI Energing Markets-8.0-14.2-16.52.12.33.7HFRI FOF: Strategic Index-6.3-12.1-11.53.23.13.8Thomson One All Private Capital Index0.00.011.320.717.614.9Thomson One Buyout Index0.0-1.19.421.018.416.5Thomson One Fund of Funds Index0.0-2.78.327.321.816.4Thomson One Venture Capital Index0.0-3.38.331.426.520.9Global Fixed IncomeE-10.3-10.3-0.90.91.5Bloomberg U.S. Aggregate Index-4.7-10.3-10.3-0.90.91.5Bloomberg U.S. TIPS Index-6.1-8.9-5.13.03.21.7Bloomberg Government Bond Index-3.7-9.0-8.8-0.80.81.0Bloomberg Municipals Index-2.9-9.0-8.6-0.21.52.4	MSCI Frontier Markets Index	-13.8	-20.6	-17.3	0.6	1.6	5.1	
HFRI FOF: Strategic Index-6.3-12.1-11.53.23.13.8Thomson One All Private Capital Index0.00.011.320.717.614.9Thomson One Buyout Index0.0-1.19.421.018.416.5Thomson One Fund of Funds Index0.0-2.78.327.321.816.4Thomson One Venture Capital Index0.0-3.38.331.426.520.9Global Fixed IncomeBloomberg U.S. Aggregate Index-4.7-10.3-10.3-0.90.91.5Bloomberg U.S. TIPS Index-6.1-8.9-5.13.03.21.7Bloomberg Government Bond Index-3.7-9.0-8.8-0.80.81.0Bloomberg Municipals Index-2.9-9.0-8.6-0.21.52.4	HFRI Equity Hedge Index	-8.3	-12.3	-12.5	6.3	5.5	5.9	
Thomson One All Private Capital Index0.00.011.320.717.614.9Thomson One Buyout Index0.0-1.19.421.018.416.5Thomson One Fund of Funds Index0.0-2.78.327.321.816.4Thomson One Venture Capital Index0.0-3.38.331.426.520.9Global Fixed IncomeBloomberg U.S. Aggregate Index-4.7-10.3-10.3-0.90.91.5Bloomberg U.S. TIPS Index-6.1-8.9-5.13.03.21.7Bloomberg Government Bond Index-3.7-9.0-8.8-0.80.81.0Bloomberg Municipals Index-2.9-9.0-8.6-0.21.52.4	HFRI Emerging Markets	-8.0	-14.2	-16.5	2.1	2.3	3.7	
Thomson One Buyout Index 0.0 -1.1 9.4 21.0 18.4 16.5 Thomson One Fund of Funds Index 0.0 -2.7 8.3 27.3 21.8 16.4 Thomson One Venture Capital Index 0.0 -3.3 8.3 31.4 26.5 20.9 Global Fixed Income U U U 1.5 1.5 1.5 1.5 Bloomberg U.S. Aggregate Index -4.7 -10.3 -10.3 -0.9 0.9 1.5 Bloomberg U.S. TIPS Index -6.1 -8.9 -5.1 3.0 3.2 1.7 Bloomberg Government Bond Index -3.7 -9.0 -8.8 -0.8 0.8 1.0 Bloomberg Municipals Index -2.9 -9.0 -8.6 -0.2 1.5 2.4	HFRI FOF: Strategic Index	-6.3	-12.1	-11.5	3.2	3.1	3.8	
Thomson One Fund of Funds Index 0.0 -2.7 8.3 27.3 21.8 16.4 Thomson One Venture Capital Index 0.0 -3.3 8.3 31.4 26.5 20.9 Global Fixed Income	Thomson One All Private Capital Index	0.0	0.0	11.3	20.7	17.6	14.9	
Thomson One Venture Capital Index 0.0 -3.3 8.3 31.4 26.5 20.9 Global Fixed Income	Thomson One Buyout Index	0.0	-1.1	9.4	21.0	18.4	16.5	
Global Fixed Income Bloomberg U.S. Aggregate Index -4.7 -10.3 -10.3 -0.9 0.9 1.5 Bloomberg U.S. TIPS Index -6.1 -8.9 -5.1 3.0 3.2 1.7 Bloomberg Government Bond Index -3.7 -9.0 -8.8 -0.8 0.8 1.0 Bloomberg Municipals Index -2.9 -9.0 -8.6 -0.2 1.5 2.4	Thomson One Fund of Funds Index	0.0	-2.7	8.3	27.3	21.8	16.4	
Bloomberg U.S. Aggregate Index -4.7 -10.3 -10.3 -0.9 0.9 1.5 Bloomberg U.S. TIPS Index -6.1 -8.9 -5.1 3.0 3.2 1.7 Bloomberg Government Bond Index -3.7 -9.0 -8.8 -0.8 0.8 1.0 Bloomberg Municipals Index -2.9 -9.0 -8.6 -0.2 1.5 2.4	Thomson One Venture Capital Index	0.0	-3.3	8.3	31.4	26.5	20.9	
Bloomberg U.S. TIPS Index -6.1 -8.9 -5.1 3.0 3.2 1.7 Bloomberg Government Bond Index -3.7 -9.0 -8.8 -0.8 0.8 1.0 Bloomberg Municipals Index -2.9 -9.0 -8.6 -0.2 1.5 2.4	Global Fixed Income							
Bloomberg Government Bond Index -3.7 -9.0 -8.8 -0.8 0.8 1.0 Bloomberg Municipals Index -2.9 -9.0 -8.6 -0.2 1.5 2.4	Bloomberg U.S. Aggregate Index	-4.7	-10.3	-10.3	-0.9	0.9	1.5	
Bloomberg Municipals Index -2.9 -9.0 -8.6 -0.2 1.5 2.4	Bloomberg U.S. TIPS Index	-6.1	-8.9	-5.1	3.0	3.2	1.7	
	Bloomberg Government Bond Index	-3.7	-9.0	-8.8	-0.8	0.8	1.0	
Bloomberg Asset Backed Index -0.9 -3.8 -4.3 0.5 1.4 1.4	Bloomberg Municipals Index	-2.9	-9.0	-8.6	-0.2	1.5	2.4	
	Bloomberg Asset Backed Index	-0.9	-3.8	-4.3	0.5	1.4	1.4	

Index Summary Sheet for Periods Ending June 30, 2022

				Annualized			
Global Fixed Income (continued)	Qtr	YTD	1 Yr	3 Yr	5 Yr	10 Yr	
Bloomberg US MBS Index	-4.0%	-8.8%	-9.0%	-1.4%	0.4%	1.2%	
Bloomberg IG CMBS Index	-2.9	-8.3	-8.9	-0.2	1.6	2.4	
Bloomberg U.S. Credit Index	-6.9	-13.8	-13.6	-1.0	1.2	2.5	
Bloomberg U.S. Corporate HY Index	-9.8	-14.2	-12.8	0.2	2.1	4.5	
Bloomberg Intermediate U.S. G/C Index	-2.4	-6.8	-7.3	-0.2	1.1	1.5	
ICE BofA 1-3 Yr. Govt. Bond Index	-0.5	-2.8	-3.3	0.2	0.9	0.8	
U.S. 91-Day Treasury Bills	0.3	0.3	0.4	0.5	1.1	0.6	
CS Leveraged Loan Index	-2.3	-2.4	-0.6	2.7	3.4	4.1	
JPMorgan Non-U.S. GBI Hedged Index	-4.6	-8.5	-8.3	-1.7	0.9	2.5	
JPMorgan Non-U.S. GBI Index	-12.5	-18.8	-21.8	-6.7	-2.6	-1.8	
JPMorgan EMBI Plus Index	-12.5	-26.6	-27.7	-8.7	-4.0	0.4	
JPMorgan EMBI Global Index	-10.5	-18.8	-19.2	-4.3	-1.0	2.1	
HFRI RV: Fixed Income - Corporate Index	-4.9	-6.1	-6.5	3.0	3.8	4.4	
HFRI ED: Distressed/Restructuring Index	-3.1	-1.9	-1.0	7.6	5.7	5.7	
Thomson One Distressed Index	0.0	3.2	17.6	15.3	11.9	11.2	
Real Assets							
FTSE NAREIT All Equity Index	-14.7	-19.2	-5.9	5.3	6.7	8.3	
S&P Developed BMI Property Index	-17.4	-20.7	-13.5	-0.4	2.1	5.1	
S&P Developed ex-U.S. Property Index	-17.5	-20.6	-20.5	-3.7	0.4	4.6	
NCREIF Property Index	0.0	5.3	17.7	9.1	8.2	9.3	
Bloomberg Commodity Index	-5.7	18.4	24.3	14.3	8.4	-0.8	
Alerian MLP Index	-7.4	10.0	4.3	0.1	-0.3	0.7	
NCREIF Timberland Index	0.0	3.2	10.0	4.4	3.9	5.5	
Thomson One Private Real Estate Index	0.0	4.3	21.0	12.2	11.3	11.9	
S&P Real Assets Equity Total Return Index	-13.2	-10.4	-3.3	3.3	4.6	5.8	
Diversifying Strategies							
HFRI Fund of Funds Index	-3.6	-6.3	-5.2	4.1	3.7	3.8	
HFRI Fund Weighted Composite Index	-4.9	-5.9	-5.8	6.1	5.0	5.0	
HFRI FOF: Conservative Index	-2.0	-1.9	-0.2	4.5	4.0	3.8	
HFRI Event Driven	-6.7	-8.0	-7.4	4.8	4.2	5.1	
HFRI Relative Value Total Index	-2.9	-2.2	-1.3	3.5	3.6	4.5	
HFRI Macro Index	2.1	9.0	8.4	7.9	5.4	3.2	
Other							
Consumer Price Index - U.S.	2.6	5.3	8.9	5.0	4.0	2.6	
U.S. Dollar Index	6.5	9.1	13.3	2.9	1.7	2.5	

* For indices that report returns on a lag, 0.0% is utilized for the most recent time period until the actual return data are reported.

Definitions

- Alpha Measures how well a portfolio performed versus its benchmark after factoring in the amount of risk (as measured by beta) taken. Technically, alpha is the difference between the excess return of a portfolio and the excess return of the benchmark multiplied by beta. Excess return is simply the actual return minus the return of the risk-free asset, U.S. Treasury Bill. A positive alpha indicates the portfolio has performed better than the benchmark on a risk-adjusted basis.
- Annual Standard Deviation A measure of variability in returns. The annual standard deviation measures the dispersion of annual returns around the average annualized return.
- **Beta** A coefficient measuring a portfolio's relative volatility with respect to its market. Technically, beta is the covariance of a portfolio's return with the benchmark portfolio's return divided by the variance of the benchmark portfolio's return. Thus, a portfolio with a beta greater than 1.00, indicates the portfolio experienced greater volatility than the benchmark, whereas a portfolio with a beta less than 1.00, indicates the portfolio experienced less volatility than the benchmark.
- Consumer Price Index Measures the change in consumer prices, as determined by a monthly survey of the U.S. Bureau of Labor Statistics. CPI components include housing costs, food, transportation and electricity.
- **Duration** A measure of the price sensitivity of a bond or bond portfolio to a change in interest rates.
- Information Ratio Describes the risk / reward trade-off of alpha and tracking error. Because the formula for calculating information ratio is Alpha divided by Tracking Error, the larger the information ratio, the more attractive the portfolio is from an overall risk return profile.
- Max Drawdown The maximum loss incurred by a portfolio during a specified time period.
- R² Also called the coefficient of determination. On the detail page, R² measures how much of the variation in the investment manager's returns can be explained by movements in the market (benchmark).
- Sharpe Ratio A risk-adjusted measure calculated using standard deviation and excess return to determine reward per unit of risk. The higher the Sharpe ratio, the better the manager's historical risk-adjusted performance.
- Tracking Error A measure that describes the volatility of the expected excess return (alpha) achieved through active management. Since excess return can only be achieved through a portfolio that actively differs from the benchmark, the level of tracking error is indicative of how different the portfolio will perform relative to any given benchmark.

Disclosures

This one on one report was prepared by FEG (also known as Fund Evaluation Group, LLC), a federally registered investment adviser under the Investment Advisers Act of 1940, as amended, providing non-discretionary and discretionary investment advice to its clients on an individual basis. Registration as an investment adviser does not imply a certain level of skill or training. The oral and written communications of an adviser provide you with information about which you determine to hire or retain an adviser. Fund Evaluation Group, LLC, 201 East Fifth Street, Suite 1600, Cincinnati, OH 45202 Attention: Compliance Department.

The information herein was obtained from various sources. FEG does not guarantee the accuracy or completeness of such information provided by third parties. The information in this report is given as of the date indicated and believed to be reliable. FEG assumes no obligation to update this information, or to advise on further developments relating to it. FEG, its affiliates, directors, officers, employees, employee benefit programs and client accounts may have a long position in any securities of issuers discussed in this report.

Market Values and return statistics for time periods pre-dating FEG's relationship with clients may include data provided by the clients and/or a previous consultant is assumed to be accurate. However, this information is not independently verified by FEG.

Performance results are calculated using information provided by the custodian and/or independent pricing sources. It is the responsibility of the trustee, custodian and /or manager to ensure the accuracy of market value and transactional data. Performance analysis is calculated using monthly and/or quarterly market values. Performance analysis and asset valuations may or may not include accrued interest and dividend income and are net of management fees. FEG/Consulting fees may or may not be deducted, based on client preference.

FEG's universes are updated monthly and the traditional asset classes are constructed from Lipper data feeds encompassing over 19,000 mutual funds. Lipper classifies approximately 50 asset classes according to the funds' investment objectives and portfolio attributes. FEG screens the Lipper universes to include only institutional and no-load funds. However, because the Lipper data may treat multiple share classes of the same fund as separate funds for the purposes of constructing their universes, FEG further screens the universes to eliminate multiple share classes within the institutional and no-load funds (examples include retirement-share classes and 529-share classes) in an effort to present pure-institutional universes.

Monitoring of managers includes fundamental research for all investment managers, as well as enhanced coverage for managers that have been approved for FEG's recommended list. A Quarterly Content Questionnaire is the basis of fundamental coverage and requests qualitative (e.g., personnel, organizational changes) and quantitative information (performance, cash flows) on all investment strategies for ongoing monitoring and adherence to investment policy. Clients may have exposure to both fundamental and recommended managers in their portfolio depending on their unique needs. FEG conducts conference calls directly with the active managers that receive enhanced coverage.

Mutual funds are bound by their prospectus, limiting potential deviation from the stated investment strategy.

Clients are encouraged to contact their Investment Advisers immediately if there are changes to their financial situation or investment objectives, or if they wish to impose or modify restrictions on the management of their account(s). Please notify your adviser immediately if you believe that any information on file is incorrect, or have had changes that have not been previously discussed.

Index performance results do not represent any managed portfolio returns. An investor cannot invest directly in a presented index, as an investment vehicle replicating an index would be required. An index does not charge management fees or brokerage expenses, and no such fees or expenses were deducted from the performance shown.

This report is prepared for informational purposes only. Past performance is not indicative of future results.

INVOICE



201 East Fifth Street, Suite 1600 Cincinnati, Ohio 45202

BILL TO: The Retiree Health Care Benefits Plan & Trust of the City of Grosse Pointe Woods Shawn Murphy 20025 Mack Plaza Grosse Pointe Woods, MI 48236

DATE	INVOICE #
7/31/22	202207151

Fee Schedule: includes CIS
.12% first \$50 Million .10% next \$50 Million .05% next \$150 Million .04% next \$250 Million .03% over \$500 Million
.10% next \$50 Million
.05% next \$150 Million
.04% next \$250 Million
.03% over \$500 Million
Minimum annual fee \$60,000

	Professional Services for the period				4/1/22-6/30/2	2		
								AMOUNT
Based on the market value of		\$	1,781,420	@	3/31/22	=		\$ 554.00

Total Amount Due Payment due upon receipt of invoice

 Reference:
 DAVIS

 Inception:
 12/1/2015

 Note: Assets of Employee
 Retirement System and Healthcare Benefits Plan are aggregated for fee break purposes.

Remittance Information

Please include invoice number and make payable to Fund Evaluation Group Mail: P.O. Box 639176, Cincinnati, OH 45263-9176 Wire or ACH: Fifth Third Bank, 38 Fountain Square Plaza, Cincinnati, OH 45263, R/T #042000314, Account #7027869440 Remittance information to accountsreceivable@feg.com 554.00

\$